



# U.S. ENVIRONMENTAL PROTECTION AGENCY WATER QUALITY STANDARDS ACADEMY

## -----BASIC COURSE-----

### Training Course Announcement Two sessions will be held:

**July 10 - 14, 2000 in Arlington, VA  
and  
August 7 - 11, 2000 in Arlington, VA**

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#### Location of Both Sessions

Hyatt Arlington  
1325 Wilson Boulevard  
Arlington, Virginia 22209

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#### Course Description

The "Water Quality Standards Academy" is a basic introductory course designed for those with fewer than six months of experience with the water quality standards program. Others may also benefit from the course, including veterans of the water quality standards program who want a refresher course. This is a comprehensive and highly structured course that introduces participants to all aspects of the water quality standards program, including the interpretation and application of the water quality standards regulation; policies and program guidance; the development of water quality criteria (human health, aquatic life, sediment, nutrient and biological); and all other facets of the program. A description of the training modules to be presented during the course appears on page 2 of this registration packet.

**The course is conducted over a five-day period. Two sessions will be held in Arlington, Virginia. The first session will begin on Monday, July 10, at 8:00 a.m. and will end at approximately 5:00 p.m., Friday, July 14.**

**The second session will begin on Monday, August 7, at 8:00 a.m. and will end at approximately 5:00 p.m., Friday, August 11.**

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#### Audience

Participants from States, Indian Tribes, federal agencies, environmental groups, industrial groups, municipalities, the academic community, EPA, and other interested parties are invited to attend.

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#### Pre-application

The attendance for the course is free of charge; however; **you must pre-apply to attend.** Please fill out the form provided in this announcement and mail it to EPA's contractor at the following address:

Water Quality Standards Academy Coordinator  
c/o Great Lakes Environmental Center  
1295 King Avenue  
Columbus, OH 43212  
-OR-  
FAX it to (614) 487-1920

no later than **Tuesday, May 30, 2000** for the July session  
and  
no later than **Friday, June 30, 2000** for the August session

#### DO NOT REGISTER MORE THAN ONCE

Due to the large amount of educational material to be covered during the course, participants **MUST BE PRESENT AT ALL TIMES.** Pre-application does **NOT** guarantee your attendance. **YOU WILL BE NOTIFIED IN WRITING AS TO WHETHER YOUR APPLICATION TO ATTEND THE TRAINING COURSE HAS BEEN ACCEPTED.** A confirmation or rejection letter will be sent approximately one month prior to the start of the class.

**PLEASE DO NOT MAKE TRAVEL ARRANGEMENTS  
UNTIL EPA CONFIRMS YOUR ATTENDANCE IN  
WRITING.**

Participants are responsible for their own travel, lodging, and other expenses. Information about hotel reservations and the location of the Arlington, Virginia sessions follows. Please observe cutoff dates for course registration and for lodging.

# U.S. ENVIRONMENTAL PROTECTION AGENCY 2000 WATER QUALITY STANDARDS ACADEMY

## DESCRIPTION OF MODULES

### **Module 1: Introductions and Participant Expectations**

Introduces the course and addresses participant expectations.

### **Module 2: Overview of EPA, the Clean Water Act, and the Water Quality Standards Program**

Presents a short overview of the function and mission of the EPA, Office of Water, a history of the Clean Water Act (CWA), and an overview of the water quality standards (WQS) program.

### **Module 3: Designated Uses**

Covers State-designated use classifications, how uses are designated, how designated uses can be removed, and the distinction between designated and existing uses.

### **Module 4: Conducting Use Attainability Analyses**

Provides a basic understanding of Use Attainability Analyses in developing water quality standards, and explains when a Use Attainability Analysis is required.

### **Module 5: Principles of Toxicology**

Introduces the basic principles and concepts of toxicology, including methods used to assess chemical toxicity.

### **Module 6: Principles of Risk Assessment**

Introduces the basic principles and concepts of human health and ecological risk assessment.

### **Module 7: Introduction to Criteria Development**

Provides an introduction to the different types of water quality criteria.

### **Module 8: Human Health Criteria**

Presents the basic concepts of human health criteria and methods for calculating criteria.

### **Module 9: Aquatic Life Criteria**

Provides information on how to develop chemical-specific, numeric, aquatic life criteria.

### **Module 10: Sediment Criteria**

Discusses the importance of sediment criteria, approaches to establishing sediment criteria, and sections of the Clean Water Act where sediment criteria apply (or can apply).

### **Module 11: Biological Criteria**

Provides an overview of the biocriteria program, including the development of biocriteria and the components needed to implement biocriteria.

### **Module 12: Nutrient Criteria**

Provides an overview of the application of nutrient criteria within the context of water quality standards.

### **Module 13: Principles of Risk Communication**

Presents basic risk communication principles.

### **Module 14: Antidegradation Policy Requirements**

Provides an understanding of EPA's antidegradation policy's three-tiered approach to water quality protection.

### **Module 15: Variances**

Provides an overview of the requirements for variances and their uses in the water quality standards program.

### **Module 16: Economic Considerations**

Provides a basic understanding of when it is appropriate to consider economic conditions within the water quality standards process and how to evaluate claims of adverse economic impacts.

### **Module 17: Mixing Zones**

Defines and outlines recommended methodologies for determining mixing zones.

### **Module 18: WQS Submittal and Approval Process**

Presents an overview of the administrative process required for submission of State and Indian Tribal water quality standards. Describes the process by which EPA reviews State and Tribal adopted water quality standards. Discusses the types of approvals possible and Federal promulgation procedures.

### **Module 19: Endangered Species Act and the Water Quality Standards Program**

Presents a brief overview of the Endangered Species Act (ESA) and how it relates to the water quality standards program.

### **Module 20: Implementation of Water Quality Standards**

Presents the process by which adopted water quality standards are implemented and introduces enforcement procedures.

### **Module 21: Water Quality Standards on Indian Reservations**

Provides information on the requirements for Indian Tribes to administer the water quality standards program. Discusses mechanisms for resolving disputes when an Indian Tribe and a State adopt different standards for the same waterbody.

### **Module 22: WQS Terminology**

Provides a review of terms, definitions, and concepts used in the water quality standards program, and the fundamentals of toxicology, risk assessment, and risk communication.

### **Module 23: Wrap-Up/Feedback**

Determines if participant expectations of the training course were met. Seeks to obtain feedback on the usefulness of the course.

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
2000 WATER QUALITY STANDARDS ACADEMY**

**PRE-APPLICATION, HOTEL INFORMATION,  
AND OTHER LOGISTICAL INFORMATION**

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**PRE-APPLICATION INFORMATION:**

You **MUST** pre-apply for the course by completing the form provided at the back of this packet. **NOTE:** Two sessions will be held. You should register for only one. Return the pre-application form by **Tuesday, May 30, 2000** for the July session or **Friday, June 30, 2000** for the August session to EPA's contractor at the following address:

**Water Quality Standards Academy Coordinator  
c/o Great Lakes Environmental Center  
1295 King Avenue, Columbus, OH 43212  
FAX: (614) 487-1920**

**Telephone pre-applications will NOT be accepted.**

A confirmation or rejection letter will be mailed to you approximately one month prior to the start of the session. **DO NOT MAKE TRAVEL ARRANGEMENTS UNTIL EPA CONFIRMS YOUR ATTENDANCE IN WRITING.**

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**HOTEL INFORMATION AND CLASS LOCATION:**

**You are responsible for making your own travel and hotel arrangements.**

**Class Location:**

**Note:** Two sessions will be held. Both sessions will be held at the Hyatt Arlington. A block of sleeping rooms for both sessions are also reserved at the Hyatt Arlington.

Hyatt Arlington  
1325 Wilson Boulevard  
Arlington, Virginia 22209

**Lodging:**

A block of rooms are reserved at the:

Hyatt Arlington

Telephone: 1-800-233-1234  
(703) 525-1234 (locally)

FAX: (703) 525-1476

Room rate: \$118 + 9.75% tax (single or double room)

WHEN MAKING RESERVATIONS, USE THE FOLLOWING  
CODE: EPA WATER QUALITY STANDARDS ACADEMY.

**HOTEL RESERVATIONS MUST BE MADE  
BY FRIDAY, JUNE 16, 2000 FOR THE JULY  
SESSION OR BY FRIDAY, JULY 14, 2000  
FOR THE AUGUST SESSION.**

**Transportation from Ronald Reagan National and Dulles  
International Airport to hotel:**

1. **Driving directions from Ronald Reagan Washington Airport:** Take the main exit out of the airport. Follow the George Washington Parkway to Rte 50 West. From Route 50 exit at "Rosslyn/Key Bridge". Turn right and go thru first light. At the second light, turn left onto Wilson Blvd. The hotel will be two blocks up on the right.
2. **Driving directions from Dulles International Airport:** Take the main exit out of the airport. Follow the Dulles Access Rd to 66 East. From 66 East take Exit 73, "Rosslyn/Key Bridge". Follow the exit road to the second light. Turn right onto Ft. Myer Drive, then make an immediate right onto Nash St. Follow along as Nash bears to the left. The Hotel is on the left corner of Nash St. and Wilson Blvd.
3. Parking in the hotel garage costs \$8.00 per day.
4. One way taxi fare from Ronald Reagan National Airport is \$10 - \$12. One way taxi fare from Dulles Airport is approximately \$45.
5. **Metro Directions from Ronald Reagan National Airport:** The hotel is across the street from the Rosslyn Metro Station on the N. Ft. Myer Dr. exit and is a transfer station for the Blue and Orange Lines. From the N. Ft. Myer Dr. exit, proceed left to Wilson Blvd. Cross N. Ft. Myer at Wilson Blvd, the hotel is on the right.
6. **Shuttle Bus/Metro Directions from Dulles Airport:** Take the Washington Flyer Bus to the West Falls Church Metro stop (approx. \$8 per person, 40 minute drive). Then take the metro via the Blue or Orange lines to the Rosslyn Metro Station (subway where you will exit). From the N. Ft. Myer Dr. exit, proceed left to Wilson Blvd. Cross N. Ft. Myer at Wilson Blvd, the hotel is on the right.

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
2000 WATER QUALITY STANDARDS ACADEMY**

**PRE-APPLICATION FORM**

**RETURN TO EPA'S CONTRACTOR AT THE FOLLOWING ADDRESS:**

Water Quality Standards Academy Coordinator  
Great Lakes Environmental Center  
1295 King Avenue  
Columbus, OH 43212

**PRE-APPLICATION FORMS FOR THE JULY 10-14, 2000 SESSION  
MUST BE RECEIVED BY TUESDAY MAY 30.  
PRE-APPLICATION FORMS FOR THE AUGUST 7-11, 2000 SESSION  
MUST BE RECEIVED BY FRIDAY JUNE 30.**

**OR FAX TO: (614) 487-1920**

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I AM INTERESTED IN ATTENDING THE WATER QUALITY STANDARDS  
ACADEMY IN ARLINGTON, VIRGINIA

I am interested in attending the:      July 10-14, 2000 session \_\_\_\_\_      August 7-11, 2000 session \_\_\_\_\_

**REGISTER FOR ONLY ONE SESSION**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Organizational Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Do you have access to the world wide web (www)?:      Yes \_\_\_\_\_      No \_\_\_\_\_

NUMBER OF YEARS EXPERIENCE WITH THE WATER QUALITY STANDARDS PROGRAM?  
PLEASE CHECK ONE THAT APPLIES:

_____	Fewer than 6 months	_____	1-3 Years
_____	6 months to 1 year	_____	4 Years or more

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EPA WILL CONFIRM YOUR ATTENDANCE IN WRITING APPROXIMATELY 1 MONTH BEFORE THE STATE OF THE SESSIONS.  
REMEMBER: YOU ARE RESPONSIBLE FOR MAKING YOUR OWN HOTEL AND TRAVEL ARRANGEMENTS.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL EPA'S CONTRACTOR:

Water Quality Standards Academy Coordinator  
Great Lakes Environmental Center  
(614) 487-1040